

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/10399

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : D06M 16/00
US CL : 8/115.6,116.1; 435/263

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 8/115.6,116.1; 435/263

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 6,488,718 B1 (REARICK) 03 December 2002 (03.12.2002), see claim 14 and columns 9 and 10	1-28
E,X	US 6,608,024 B1 (DU VAL et al) 19 August 2003 (19.08.2003), col 3 lines 8-29 and col 28 lines 20-37	13,14,19-23,28
X	US 5,512,203 A (KOLATTUKUDY et al.) 30 April 1996 (30.04.1996), see abstract and entire patent	13-15, 18
X	US 4,810, 414 A (HUGE-JENSEN et al.) 07 March 1989 (07.03.1989), see example 2	13-17
X	US 6,184,010 B1 (RIEGELS et al.) 06 February 2001 (06.02.2001) col 5 line 66 to col 6 line 1	13-18
X	US 5,968,813A (KOFOD et al.) 19 October 1999 (19.10.1999), see abstract	1,2,3, 12-14, 20

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

21 August 2003 (21.08.2003)

Date of mailing of the international search report

15 SEP 2003

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Margaret Einsmann

Telephone No. 703-308-0661